# Histograms

**Steps to Making a Histogram**

**Step 1:** Give the graph a title.

**Step 2:** Draw the axes. Label the vertical axis. Choose an appropriate scale and mark equal intervals.

**Step 3:** Label the horizontal axis with the information the bars show.

**Step 4:** Draw the bars. Do not leave spaces between the bars.

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Use the graph for Problems 1–8.

1. How many students exercise between 6 and 10 times a month?
   
   [Number of Students: 8]

2. How many more students exercise between 16 and 20 times a month than between 26 and 30 times a month?

3. How many students exercise 10 or fewer times a month?

4. How many students exercise more than 20 times a month?

5. What three intervals have a total equal to the number of students who exercise between 16 and 20 times a month?

6. How many students were surveyed?

7. How would you list the intervals from least to greatest number of students?

8. Why does the histogram end with a maximum of 30 times a month?

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<table>
<thead>
<tr>
<th>Number of Times (Number of Students)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–5</td>
</tr>
<tr>
<td>6–10</td>
</tr>
<tr>
<td>11–15</td>
</tr>
<tr>
<td>16–20</td>
</tr>
<tr>
<td>21–25</td>
</tr>
<tr>
<td>26–30</td>
</tr>
</tbody>
</table>

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Show Your Work

Use with text pages 176–177.